

Sykes et al.

S/N: 10/605,018

REMARKS

Claims 1, 2, and 4-25 are pending in the present application. In the Office Action mailed February 7, 2006, the Examiner rejected claims 4 and 5 under 35 U.S.C. §112, second paragraph. The Examiner next rejected claims 18-25 under 35 U.S.C. §112, first paragraph. Claims 1, 2, and 4-17 are rejected under 35 U.S.C. §103(a) as being unpatentable over Manz (USP 3,544,759) taken with the SCR Manual expert and further in view of Yasuhara et al. (USP 6,037,566).

Applicant has amended claims 4 and 5 to correct the dependencies thereof. It is believed that claims 4 and 5 are compliant with the statutory provisions of 35 U.S.C. §112. Similarly, claims 18 and 23 have been amended to correct a typographical error. Specifically, "RC" should read "LC". In this regard, claims 18 and 23 call for an LC circuit. Support for such a circuit can be found in Fig. 3 of the application. As no other rejections remain outstanding with respect to claims 18-25, claims 18-25 are believed to be in condition for allowance.

The Examiner rejected claims 1 and 8 based on the combination of Manz, the SCR Manual, and Yasuhara et al. In the Response filed October 24, 2005, Applicant presented remarks setting forth that the art of record fails to teach a filter circuit. Responsive thereto, the Examiner has asserted that the circuits shown in Figs. 1 and 2 of Yasuhara et al. include inductive elements that "act as filters, filtering out high-frequency components due to their serial connection to the load." OFFICE ACTION, February 7, 2006, p. 5. Applicant respectfully disagrees. There is no support in the reference that elements 3, 4, & 7 do any "filtering" as presently claimed, nor that these elements have any purpose other than what a normal wound coil provides. These "coils" are not filters, as claimed, they are reactors that provide inductive reactance wherein the magnetic flux generated overlaps (col. 3, lns 1-6) to reduce the amount of iron used for the core (col. 3, lns. 6-12). To further define the present claims for the purpose of advancing the application, Applicant has amended claims 1 and 8 to further define the claimed filter circuits as containing LC circuits. In this regard, these filter circuits include an inductive and a capacitive component to provide filtering that is clearly not taught or suggested in the art of record.

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Each of Manz and Yasuhara et al. disclose inductive coils. However, neither reference discloses or suggests a filter comprised of an LC circuit, as claimed. For example, Yasuhara et al. discloses a constant current characteristic coil (13) and a constant voltage characteristic coil (14). Yasuhara et al. further discloses an iron core (7) wound by a pair of coils (3, 4). Accordingly, the references do not teach the use of a capacitive element in conjunction with an inductive element to provide filtering. Accordingly, the art of record does not teach nor suggest each and every element called for in the pending claims.

Therefore, in light of at least the foregoing, Applicant respectfully believes that the present application is in condition for allowance. As a result, Applicant respectfully requests timely issuance of a Notice of Allowance for claims 1, 2, and 4-25.

Applicant appreciates the Examiner's consideration of these Amendments and Remarks and cordially invites the Examiner to call the undersigned, should the Examiner consider any matters unresolved.

Respectfully submitted,

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¹ The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 50-2623. Should no proper payment be enclosed herewith, as by credit card authorization being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-2623. If any extensions of time are needed for timely acceptance of papers submitted herewith, Applicant hereby petitions for such extensions under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 50-2623. Please consider this a general authorization to charge any fee that is due in this case, if not otherwise timely paid, to Deposit Account No. 50-2623.